

Work Order ID: 114840

114840

Page 1

March-13-14 2:52:07 PM

Item ID: D117-762-041

Accept

N900040100

Setup Start *NS1*

Revision ID:

Stop *NS2*

Item Name: Replacement Skidtube

Start Date: 3/13/14 Start Qty: 1.00

1

Cust Item ID:

Required Date: 3/27/14 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals: Process Plan: MCS Date: 14-03-13

Tooling: _____ Date: _____

Run Start *NR1*

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr
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D3492	D
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D3582	Rev A
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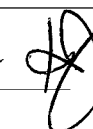
100	Document Control	0.00
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100 DOCUMENT CONTROL

DC	Memo	0.00
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Doc.Control -USB or Paperwork

Photocopy bluefile & type labels per PPP D117-762-041 CHG001

N/A 

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Item ID: D117-762-041

Accept

N900040100

Setup Start *NS1*

Revision ID:

Stop *NS2*

Item Name: Replacement Skidtube

Start Date: 3/13/14 Start Qty: 1.00 *1*

Cust Item ID:

Required Date: 3/27/14 Req'd Qty: 1.00 *1*

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start *NR1*

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

130

130

Skidtubes

Skidtubes

Skidtubes

Memo

0.00

1-Cut Aft end using DT8185

2-Deburr ends

3-Drill Aft Cap holes using DT8678 *** OPEN AFT CAP HOLE TO .187" ***

4-Locate DT 8973 from aft cap holes & Drill Ground wire hole on top of Tube.

5-Install 3/16 cleco in Ground wire hole ,then drill all X-Bolt holes using 3/16" drill.

6-Drill pilot holes for wearplates using DT8900

7-Open wearplate holes to Ø19/64" (0.297") as per Dwg D3582.

8- open ground wear holes to 0.391" as per section B-B

9-Open Aft Cap holes using .209" drill.

10-Drill pilot holes for section D-D and E-E. Holes must be laid out by hand. Mark out Center line and make sure that 6.65 and 5.906 measurements are respected. Double check before drilling, do not open holes to finish size.

- DC 14/03/17

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Item ID: D117-762-041

Accept

N900040100

Setup Start

NS1

Revision ID:

Stop

NS2

Item Name: Replacement Skidtube

Start Date: 3/13/14

Start Qty: 1.00

1

Cust Item ID:

Required Date: 3/27/14

Req'd Qty: 1.00

1

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run

Start

NR1

QC:

Date:

SPC (Y/N):

Date:

Stop

NR2

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

140

140

Skidtubes

Skidtubes

0.00

Memo

0.00

Skidtubes

1-Weld fwd cap D2964 per dwg D3582 and QSI 004

A/R AL ROD

Batch: M125127

BE 14-03-18

2-Grind flush

150

150

QC

QC10- Inspect visual per QSI004- ground welds

0.00

Memo

0.00

Quality Control

①

14-03-18

DAS

9

9-89

160

160

QC

QC5- Inspect part completeness to step on W/O

0.00

Memo

0.00

Quality Control

①

14-03-15

DAS

9

9-89

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Quality Control

1 7B 14349

i ~~0~~ 02/14/03/19

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Item ID: D117-762-041

Accept

N900040100

Setup Start *NS1*

Revision ID:

Stop *NS2*

Item Name: Replacement Skidtube

Start Date: 3/13/14 Start Qty: 1.00

1

Cust Item ID:

Required Date: 3/27/14 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start *NR1*

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
190	Skidtubes	0.00							
190	Skidtubes	0.00							
Skidtubes	Memo								
	1-Open X-Bolt holes to finish size as per Dwg D3582, all sections								
	2-Counter Sink X-BOLT holes as per Dwg D3582								
	3-Deburr and blow out chips from inside of tube, prep. tube for welding.								
	4-Bond web as per Dwg D3582 & QSI 015								
	A/R 241 Sike Flex Batch: 128026								
	Exp Date: 14/10/09								
	5-Weld x-bolt spacers(D2973) as per Dwg D3582 section B-B.								
	A/R AL ROD Batch: M127763								
	6-Grind welds flush								
200	QC10- Inspect visual per QSI004- ground welds	0.00							
200	QC	0.00							
Quality Control	Memo								

DC 14/03/19

BE1403-20

BB 1403-24

D 14-03-25

DAS
9
9-89

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Item ID: D117-762-041

Accept

N900040100

Setup Start *NS1*

Revision ID:

Stop *NS2*

Item Name: Replacement Skidtube

Start Date: 3/13/14 Start Qty: 1.00

1

Cust Item ID:

Required Date: 3/27/14 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start *NR1*

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

210 QC5- Inspect part completeness to step on W/O

0.00

210

QC

Memo

0.00

Quality Control

① 14-03-25 DAS
9
9-89

215 Pressure Wash per QSI005 4.3

0.00

215

HandFinish

Memo

0.00

Hand Finishing

Touch-up alodine as per QSI

1 14-03-26

220 White Gloss(Ref:4.3.5.1) per QSI005 4.3-Adj

0.00

220

Powdercoat

Memo

0.00

Powder Coating

START TIME 2:10
OVEN TEMPERATURE 320°
FINISH TIME 2:101 14-03-31 DAS
34
9-89

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Item ID: D117-762-041

Accept

N900040100

Setup Start *NS1*

Revision ID:

Stop *NS2*

Item Name: Replacement Skidtube

Start Date: 3/13/14 Start Qty: 1.00

1

Cust Item ID:

Required Date: 3/27/14 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start *NR1*

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
230	QC3- Inspect Part Finish	0.00				1	2	20	14/04/01
230									
QC	Memo	0.00							
Quality Control									
250	HandFinishing	0.00				1	2	20	14/04/01
250									
HandFinish	Memo	0.00							
Hand Finishing	1-Inspect for Foreign objects								
	2-Install Aft cap as per Dwg D3582, Detail "C"								
	A/R 241 Sika Flex Batch: 128026								
	Exp Date: 14/10								
	3-Install Wearplates as per Dwg D3582 ,								
	Note:Install Bolt and washer on Ground Wire inserts on top of tube see								
	section D-D of dwg D3582								
	*****Do not install bolts where indicated on Dwg(Note #6)*****								
	A/R 241 Sika Flex Batch: 128026								
	Exp Date: 14/10								
	4-assemble o'ring as per dwg D3492 and apply o'ring lube								
	A/R 55-o'ring lube batch: 121651								
	5- Wing Walk as per Dwg D3582 and QSI 005 4.4								

128900

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114840

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Item ID: D117-762-041

Accept

N900040100

Setup Start

NS1

Revision ID:

Stop

NS2

Item Name: Replacement Skidtube

Start Date: 3/13/14

Start Qty: 1.00

1

Cust Item ID:

Required Date: 3/27/14

Req'd Qty: 1.00

1

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run

Start

NR1

QC:

Date:

SPC (Y/N):

Date:

Stop

NR2

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

260

QC5- Inspect part completeness to step on W/O

0.00

260

QC

Memo

0.00

Quality Control

270

Packaging

0.00

270

Packaging

Memo

0.00

Packaging

Identify and pack for shipping as per PPP D117-762-041

Location:

PPP Rev:

DAS
06
9-89

MAY 14 2014

280

QC21- Final Inspection - Work Order Release

0.00

280

QC

Memo

0.00

Quality Control

14/5/21

ME
14-5-21

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Work Order ID: 114840

114840

Parent Item: D117-762-041

D117-762-041

Parent Item Name: Replacement Skidtube

Start Date: 3/13/14

Required Date: 3/27/14

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP Rev:A07.06.11New Issue EC
IPP Rev:B 08-02-22 change to revA as per dwg DD verified by:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D3582-1-BENT		Manufactured	No			130	Each	9.0000	1	1			
D3582-1-BENT									**			DC 14/03/17	
Skidtube Assembly Bk117													
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				LG				9					
				111671				9					
D3492-11		Manufactured	No			250	Each	55.0000	2	2			
D3492-11									**			2 (DP) 14/04/01	
Plug													
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				FP001				55					
				102294				24					
				111842				24					
				74732				4					
				82253				3					
D3492-13		Manufactured	No			250	Each	118.0000	6	6			
D3492-13									**			6 (DP) 14/04/01	
Plug													
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				FP001				118					
				105614				40					
				109801				60					
				99835				18					

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Work Order ID: 114840

114840

Parent Item: D117-762-041

D117-762-041

Parent Item Name: Replacement Skidtube

Start Date: 3/13/14

Required Date: 3/27/14

Start Qty: 1.00

Required Qty: 1.00

D3492-9

Manufactured No

250 Each

66.0000 2 2

D3492-9

Plug

**

2

RE 14/04/01

Location

Loc Qty

Loc Code

FP001

66

106121

30

111841

24

82251

12

D2964

Manufactured No

140 Each

19.0000 1 1

D2964

Cap

**

RE 14-03-18

Location

Loc Qty

Loc Code

LG002

19

105541

19

D2971

Manufactured No

190 Each

42.0000 1 1

D2971

Cross Bolt Spacer

**

RE 14-03-20

Location

Loc Qty

Loc Code

LG001

42

108778

40

74720

2

D3584-1

Manufactured No

190 Each

9.0000 1 1

D3584-1

Web

**

DL 14/03/19

Location

Loc Qty

Loc Code

LG

9

111790

1

111791

8

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114840

Parent Item: D117-762-041

D117-762-041

Parent Item Name: Replacement Skidtube

Start Date: 3/13/14

Required Date: 3/27/14

Start Qty: 1.00

Required Qty: 1.00

D2973 Manufactured No 190 Each 72.0000 2 2

D2973

Cross Bolt Spacer

BE1403-20

Location

Loc Qty

Loc Code

LG001

72

107428

72

2

D3662-3

Manufactured No

190 Each

104.0000

1

1

D3662-3

Crossbolt Spacer

BE14-03-20

Location

Loc Qty

Loc Code

LG001

104

105725

30

71026

26

81606

48

1

D3662-1

Manufactured No

190 Each

17.0000

3

3

D3662-1

Crossbolt Spacer

BE1403-20

Location

Loc Qty

Loc Code

LG001

17

81607

17

3

ALS4-1032-130

AELS4-1032-130 Purchased

No

Each

434.0000

36

ALS4-1032-130

Rivnut

36

(2P)

14/04/01

Location

Loc Qty

Loc Code

ST279

377

M128179

8

M128211

369

st510

57

M126109

57

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Work Order ID: 114840

114840

Parent Item: D117-762-041

D117-762-041

Parent Item Name: Replacement Skidtube

Start Date: 3/13/14

Required Date: 3/27/14

Start Qty: 1.00

Required Qty: 1.00

ALS4-428-165

Purchased

No

Each

151.0000

2

AI S4-428-165

INSERT

**

2

(2P)

14/04/01

Location

Loc Qty

Loc Code

FG

10

117769

10

FP001

141

117769

141

D2965

Manufactured

No

250

Each

27.0000

1

1

D2965

Cap

**

1

(2P)

14/04/01

Location

Loc Qty

Loc Code

FP001

27

80089

1

99551

26

D3508-3

Manufactured

No

250

Each

11.0000

1

1

D3508-3

Stainless Steel Wearplate Center Fwd

**

1

(2P)

14/04/01

Location

Loc Qty

Loc Code

FP002

11

106763

11

D3508-9

Manufactured

No

250

Each

6.0000

1

1

D3508-9

Stainless Steel Wearplate Fwd

**

1

(2P)

14/04/01

Location

Loc Qty

Loc Code

FP002

6

106082

6

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Work Order ID: 114840

114840

Parent Item: D117-762-041

D117-762-041

Parent Item Name: Replacement Skidtube

Start Date: 3/13/14

Required Date: 3/27/14

Start Qty: 1.00

Required Qty: 1.00

D3558-3

Manufactured No

250

Each

7.0000

1

1

D3558-3

Gasket Center Fwd

**

1 (2P) 14/04/01

Location

Loc Qty

Loc Code

FG

1

89649

1

FP001

6

(87161)

6

D3558-9

Manufactured No

250

Each

14.0000

1

1

D3558-9

Gasket Fwd

**

1 (2P) 14/04/01

Location

Loc Qty

Loc Code

FG

1

80340

1

FP001

13

(112594)

11

99850

2

D3558-11

Manufactured No

250

Each

17.0000

1

1

D3558-11

Gasket Aft Center

**

1 (2P) 14/04/01

Location

Loc Qty

Loc Code

FG

1

80339

1

FP001

16

(112523)

12

99793

4

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Work Order ID: 114840

114840

Parent Item: D117-762-041

D117-762-041

Parent Item Name: Replacement Skidtube

Start Date: 3/13/14

Required Date: 3/27/14

Start Qty: 1.00

Required Qty: 1.00

D3558-13

Manufactured No

250

Each

17.0000

1

1

D3558-13

Gasket Aft

**

1 (SP) 14/04/01

Location

Loc Qty

Loc Code

FG

1

82320

1

FP001

16

82380

16

D3508-11

Manufactured No

250

Each

8.0000

1

1

D3508-11

Stainless Steel Wearplate Aft Center

**

1 (SP) 14/04/01

Location

Loc Qty

Loc Code

FP002

8

81349

8

D3508-13

Manufactured No

250

Each

11.0000

1

1

D3508-13

Stainless Steel Wearplate Aft

**

1 (SP) 14/04/01

Location

Loc Qty

Loc Code

FP001

11

111322

11

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Work Order ID: 114840

114840

Parent Item: D117-762-041

D117-762-041

Parent Item Name: Replacement Skidtube

Start Date: 3/13/14

Required Date: 3/27/14

Start Qty: 1.00

Required Qty: 1.00

NAS1149D0332J

Purchased

No

250

Each

677.0000

2

2

NAS1149D0332.J

Washer

**

2

SP

14/04/01

Location

Loc Qty

Loc Code

GA

128606

179

m127916

179

ST293

410

m127389

25

m127431

385

ST294

5

m125807

5

ST510a

83

m127916

83

AN3C4A

Purchased

No

250

Each

1,229.000

28

28

AN3C4A

Bolt

**

28

SP

14/04/01

Location

Loc Qty

Loc Code

FG

20

122814

20

ST512

3

124221

3

ST513

1206

125388

1143

M127410

1

M127832

62

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Work Order ID: 114840

114840

Parent Item: D117-762-041

D117-762-041

Parent Item Name: Replacement Skidtube

Start Date: 3/13/14

Required Date: 3/27/14

Start Qty: 1.00

Required Qty: 1.00

AN3C5A Purchased No

250 Each

1,089.000 2 2

AN3C5A

Bolt

**

2

28

14/04/01

Location

Loc Qty

Loc Code

FG

5

122800

5

ST350

1084

M128057

1084

NAS1149D0416J Purchased No

250 Each

257.0000 2 2

NAS1149D0416J

WASHER

**

2

28

14/04/01

Location

Loc Qty

Loc Code

GA

152

m126254

152

ST294

105

m125773

11

m127832

94

NAS1149C0332R Purchased No

250 Each

6,712.000 28 28

NAS1149C0332R

WASHER

**

28

28

14/04/01

Location

Loc Qty

Loc Code

GA

1089

125654

1089

st510

5623

m126319

61

m127306

2500

m127410

3000

m127831

62

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114840

Parent Item: D117-762-041

D117-762-041

Parent Item Name: Replacement Skidtube

Start Date: 3/13/14

Required Date: 3/27/14

Start Qty: 1.00

Required Qty: 1.00

AN4-4A

Purchased

No

250

Each

113.0000

2

2

AN4-4A

BOLT

**

2

(2P)

4/09/01

Location

Loc Qty

Loc Code

ST355

113

m120187

2

m125709

111

NAS1611-012

Purchased

No

250

Each

231.0000

6

6

NAS1611-012

O-RING

**

6

(2P)

4/09/01

Location

Loc Qty

Loc Code

FP001

231

121259

43

M127313

188

NAS1611-015

Purchased

No

250

Each

72.0000

2

2

NAS1611-015

O-RING

**

2

(2P)

4/08/01

Location

Loc Qty

Loc Code

FP001

72

m126637

72

NAS1611-016

Purchased

No

250

Each

215.0000

2

2

NAS1611-016

O-RING

**

2

(2P)

4/04/01

Location

Loc Qty

Loc Code

FP001

215

112492

15

M127313

200

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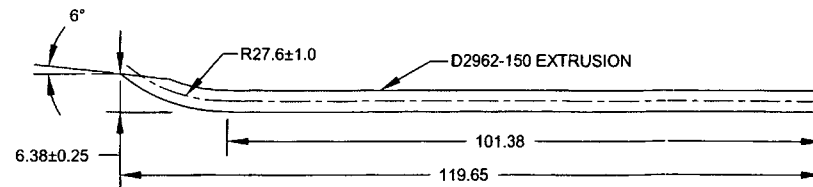
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PARTS LIST FOR D3582-041 SKIDTUBE ASSEMBLY

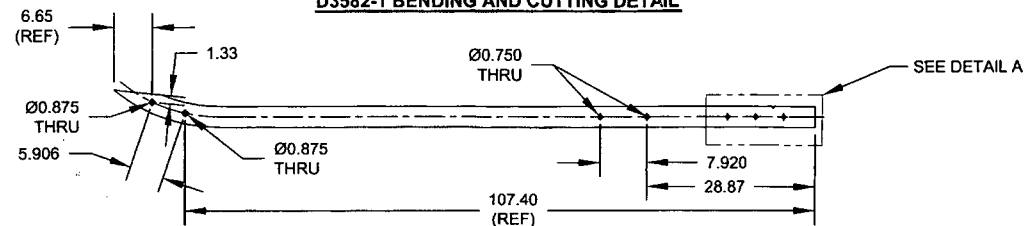
Qty	Part Number	Description
X	D3582-041	SKIDTUBE ASSEMBLY
1	D2962-150	EXTRUSION
1	D2964	CAP
1	D2965	CAP
1	D2971	CROSS BOLT SPACER
2	D2973	CROSS BOLT SPACER
2	D3492-049	PLUG ASSEMBLY
2	D3492-051	PLUG ASSEMBLY
6	D3492-053	PLUG ASSEMBLY
1	D3508-3	WEARPLATE
1	D3508-9	WEARPLATE
1	D3508-11	WEARPLATE
1	D3508-13	WEARPLATE
1	D3558-3	GASKET
1	D3558-9	GASKET
1	D3558-11	GASKET
1	D3558-13	GASKET
1	D3584-1	WEB
3	D3662-1	CROSS BOLT SPACER
1	D3662-3	CROSS BOLT SPACER
36	AELS-1032-130	INSERT
2	ALS7-428-165	INSERT
28	AN3C4A	BOLT
2	AN3-5A	BOLT
2	AN4-4A	BOLT
28	AN960C10L	WASHER
2	AN960JD10L	WASHER
2	AN960JD416L	WASHER

GENERAL NOTES:

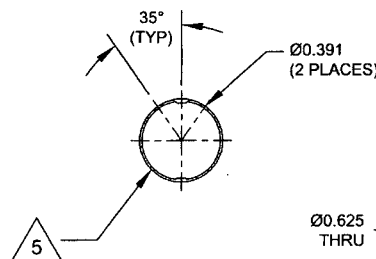
- ALL DIMENSIONS ARE IN INCHES
- TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- WELDING TO BE DONE PER DART QSI 004
- INSERT D3584-1 WEB TO LOCATION SHOWN OFF AFT END OF SKIDTUBE AND BOND WEB INTO OUTER TUBE WITH NON-STRUCTURAL SIKAFLEX-241/-291 ADHESIVE PER DART QSI 015 AFTER BENDING.
- USE DART DRILL TEMPLATE D78900 TO LOCATE AND DRILL Ø0.297 HOLES (36 PLACES) FOR WEARSHOE INSERTS. INSTALL AELS-1032-130 PER SECTION G-G (36 PLACES) AFTER FINISH. SEAL WEARPLATE BOLTS WITH SIKAFLEX-241/-291.
- DO NOT INSTALL AN3C4A BOLTS AND AN960C10L WASHERS IN INDICATED LOCATIONS.
- FINISH:
 - CHEMICAL CONVERSION COAT PER DART QSI 005 4.1 PRIOR TO INSERTING D3584-1 WEB
 - POWDER COAT ASSEMBLY GLOSS WHITE (REF 4.3.5.1) PER DART QSI 005 4.3
 - ANTI-SKID PAINT AS INDICATED TO 1.00 ABOVE CENTER LINE PER DART QSI 005 4.4



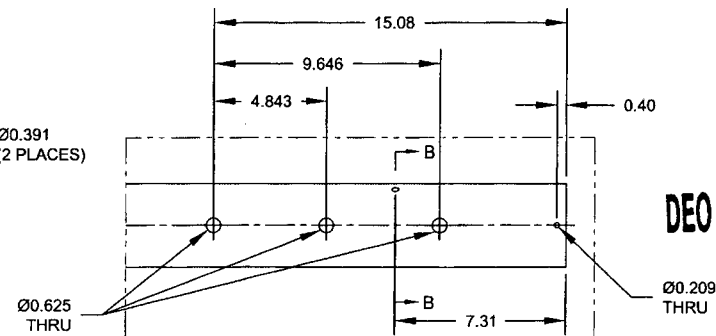
D3582-1 BENDING AND CUTTING DETAIL



D3582-1 DRILLING DETAIL



SECTION B-B
SCALE 1:5



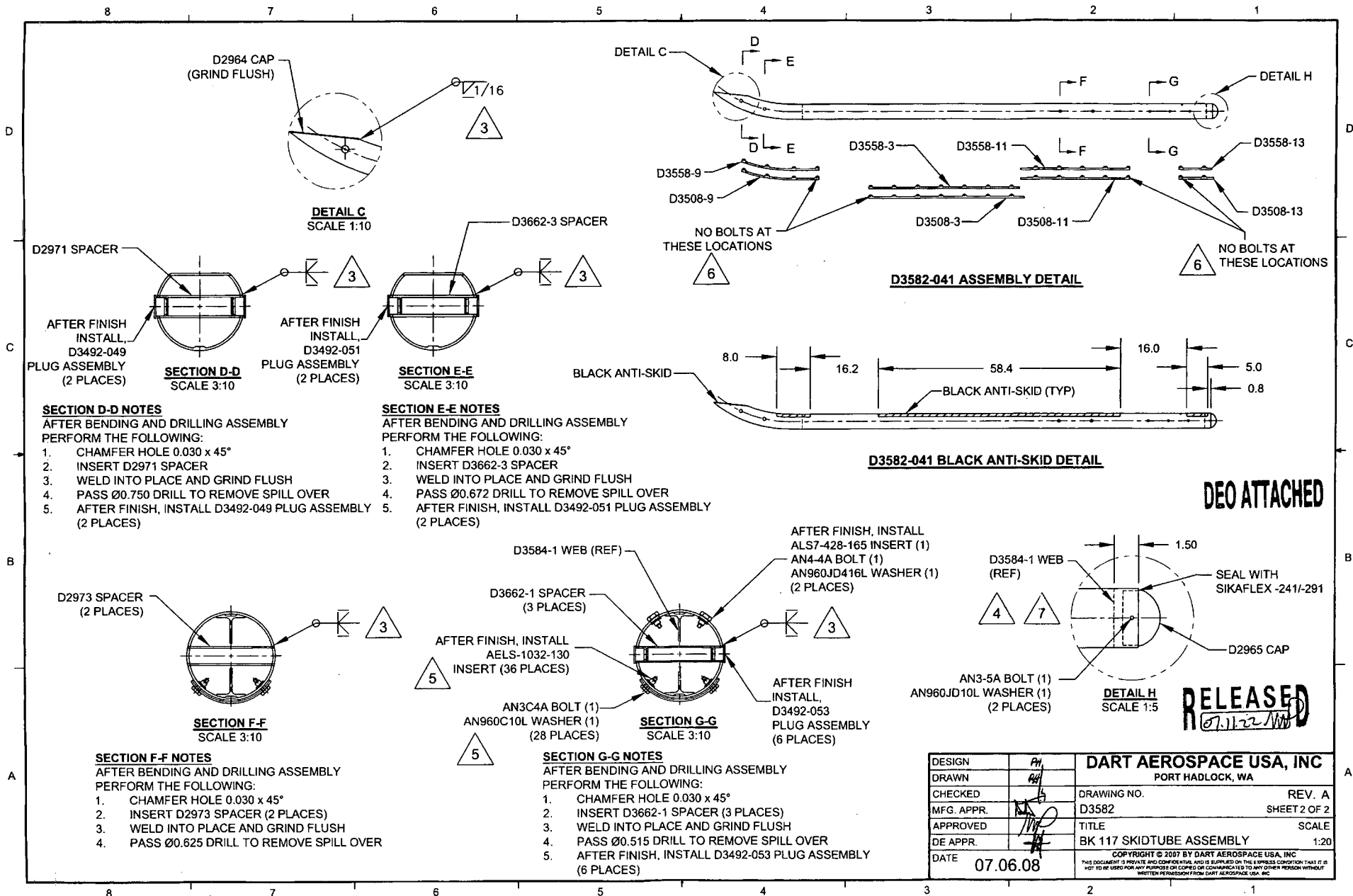
DETAIL A
SCALE 1:5

DEO ATTACHED

RELEASED
07-11-22

A	NEW ISSUE		PH	07.06.08
REV.		DESCRIPTION	BY	DATE
DESIGN	PH	DART AEROSPACE USA, INC PORT HADLOCK, WA		
DRAWN	PH			
CHECKED			DRAWING NO.	REV. A
MFG. APPR.			D3582	SHEET 1 OF 2
APPROVED			TITLE	SCALE
DE APPR.			BK 117 SKIDTUBE ASSEMBLY	1:20
DATE	07.06.08		COPYRIGHT © 2007 BY DART AEROSPACE USA, INC THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.	

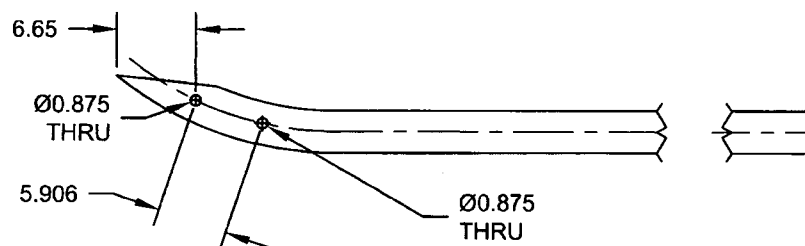
114840 MLC
14-03-13



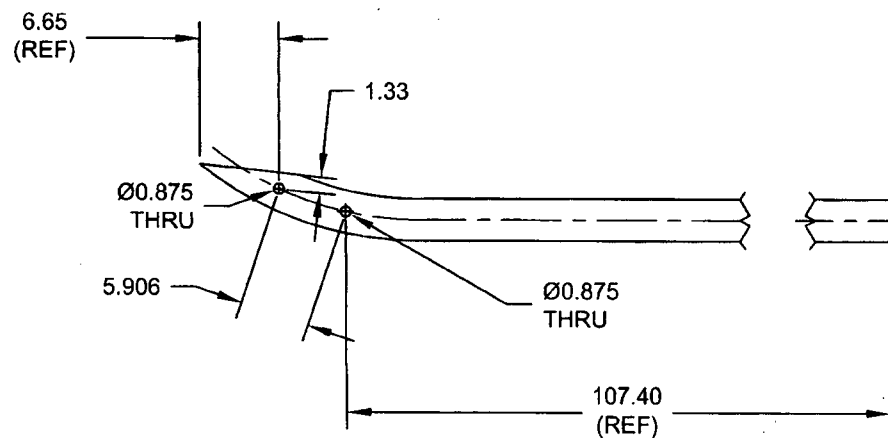
DRAWING NO. D3582	TITLE BK 117 SKIDTUBE ASSEMBLY	REV. A	DART AEROSPACE USA, INC ENGINEERING ORDER		D.E.O. NO. D3582-A-1	SHEET NO. SHEET 1 OF 1	SCALE NTS
DRAWN <i>PH</i>	CHECKED <i>B</i>	MFG. APPR. <i>EE</i>	APPROVED <i>WJ</i>		DE APPR. <i>WJ</i>		
DATE 09.04.06	DATE 04.04.06	DATE 09.04.06	DATE 12/24/06		DATE 09.04.06		

FOR EASE OF MANUFACTURE AND TO ENSURE THE FIT OF BRISTOL WIRESTRIKE SKID GEAR DEFLECTOR:
UPDATE DIMENSIONING OF 2 FWD HOLES ON SHEET 1 AS SHOWN

IS:



WAS:



RELEASED
09/04/22 *WJ*

NO. 330

**AWS D17.1.2001
QUALIFICATION TEST RECORD**

Name: Barclay Elliott
Job #: 105946
Part #: D17.762.041
Description: 117 skid tube
Welding Process: Tig ☒ Mig ☐
Base material: Aluminum
Current: AC ☒ DC ☐

TEST REQUIREMENTS AND RESULTS

Visual:	pass <input checked="" type="checkbox"/>	fail <input type="checkbox"/>
Incomplete Penetration:	pass <input checked="" type="checkbox"/>	fail <input type="checkbox"/>
Incomplete Fusion:	pass <input checked="" type="checkbox"/>	fail <input type="checkbox"/>
Cracks:	pass <input checked="" type="checkbox"/>	fail <input type="checkbox"/>
Overlap (cold lap)	pass <input checked="" type="checkbox"/>	fail <input type="checkbox"/>
Undercut:	pass <input checked="" type="checkbox"/>	fail <input type="checkbox"/>
Pin holes:	pass <input checked="" type="checkbox"/>	fail <input type="checkbox"/>
Porosity (surface):	pass <input checked="" type="checkbox"/>	fail <input type="checkbox"/>
Coloration:	pass <input checked="" type="checkbox"/>	fail <input type="checkbox"/>
Burn through:	pass <input checked="" type="checkbox"/>	fail <input type="checkbox"/>

Qualifier (DAS 09) Date of Test Coupon 13-10-08
Welder Barclay Elliott Date of Test Coupon 13-10-08

The above named individual is qualified in accordance with AWS D17.1.2001 to weld